

```

> s contact(w)lens?
      837927 CONTACT
      115287 LENS?
L1      4138 CONTACT(W)LENS?
=> s l1 and extend##(w)wear?

      1020031 EXTEND##
      190613 WEAR?
      539 EXTEND##(W)WEAR?
L2      182 L1 AND EXTEND##(W)WEAR?
=> s wear?(10a)hour#
      190613 WEAR?
      449173 HOUR#
L3      1711 WEAR?(10A)HOUR#
=> s l2 and l3
L4      21 L2 AND L3
=> d cit 1-21

```

1. 5,607,688, Mar. 4, 1997, **\*\*Contact\*\* \*\*lens\*\*** of hydrophilic gels with inhibitor and swelling agent; Jitka Cejkova, et al., 424/429; 523/106 [IMAGE AVAILABLE]
2. 5,519,069, May 21, 1996, **\*\*Contact\*\* \*\*lenses\*\*** and materials and methods of making same; William J. Burke, et al., 523/106; 264/1.1, 2.7; 351/160H; 523/107; 525/309, 903; 526/245, 279; 323.2 [IMAGE AVAILABLE]
3. 5,512,205, Apr. 30, 1996, UV curable crosslinking agents useful in copolymerization; Yu-Chin Lai, 252/182.14, 182.15, 182.17, 182.18, 182.23, 182.28 [IMAGE AVAILABLE]
4. 5,505,884, Apr. 9, 1996, **\*\*Contact\*\* \*\*lenses\*\*** and materials and methods of making same; William J. Burke, et al., 264/1.1, 2.7; 351/177; 523/106, 107; 525/309, 903; 526/245, 279; 323.2 [IMAGE AVAILABLE]
5. 5,449,729, Sep. 12, 1995, UV curable crosslinking agents useful in copolymerization; Yu-Chin Lai, 526/286, 301, 302, 304, 320 [IMAGE AVAILABLE]
6. 5,310,779, May 10, 1994, UV curable crosslinking agents useful in copolymerization; Yu-Chin Lai, 524/588; 252/183.11; 526/286, 301, 302, 304, 320, 323.1, 326 [IMAGE AVAILABLE]
7. 5,213,760, May 25, 1993, Overworn lens signaling methodology; Anthony J. Dziabo, Jr., et al., 422/37; 116/201; 422/28; 424/661 [IMAGE AVAILABLE]
8. 5,209,783, May 11, 1993, Method for simultaneously cleaning, decolorizing and thermally disinfecting **\*\*contact\*\* \*\*lenses\*\***; Stanley W. Huth, et al., 134/19, 42; 510/114 [IMAGE AVAILABLE]
9. 5,191,897, Mar. 9, 1993, Self-adherent eye occluder; LeRoy G. Meshel, 128/745; 2/15; 128/858 [IMAGE AVAILABLE]
10. 5,087,392, Feb. 11, 1992, Method of mold **\*\*contact\*\* \*\*lenses\*\***; William J. Burke, et al., 264/2.7, 1.1, 2.6 [IMAGE AVAILABLE]
11. 5,055,455, Oct. 8, 1991, Capsular polysaccharide adhesin antigen, preparation, purification and use; Gerald B. Pier, 514/54; 424/150.1,

165.1, 243.1; 435/820; 530/324, 388.4, 389.5, 395, 396, 403 [IMAGE AVAILABLE]

12. 4,487,905, Dec. 11, 1984, Wettable silicone resin optical devices and curable compositions therefor; Darrell D. Mitchell, 528/15; 351/160H, 160R; 525/478; 526/279; 528/31, 32 [IMAGE AVAILABLE]

13. 4,436,887, Mar. 13, 1984, N-Vinyl lactam based biomedical devices; Richard C. Chromacek, et al., 526/263; 351/160H, 160R; 523/108; 526/259, 260, 262, 264; 528/499, 500 [IMAGE AVAILABLE]

14. RE 31,422, Oct. 18, 1983, Hydrophilic polymers and \*\*contact\*\* \*\*lenses\*\* of high water content; Samuel Loshaek, et al., 526/264; 351/160H; 526/262, 263 [IMAGE AVAILABLE]

15. 4,401,372, Aug. 30, 1983, \*\*Contact\*\* \*\*lens\*\*;William L. Mancini, et al., 351/160H [IMAGE AVAILABLE]

16. 4,327,202, Apr. 27, 1982, Styrene copolymer for \*\*contact\*\* \*\*lenses\*\*;William M. Foley, Jr., 526/245; 351/160H, 160R; 526/251, 318.42, 320, 329.2, 930, ~~936~~, 937 [IMAGE AVAILABLE]

17. 4,243,790, Jan. 6, 1981, Styrene/hydroxy alkyl acrylic acid ester copolymer for \*\*contact\*\* \*\*lenses\*\*;William M. Foley, Jr., 526/320; 351/160H, 160R; 526/293, 313, 318.42, 323.2, 329.2, 930, 936, 937 [IMAGE AVAILABLE]

18. 4,228,269, Oct. 14, 1980, \*\*Contact\*\* \*\*lenses\*\* of high gas permeability; Samuel Loshaek, et al., 523/106; 351/160R; 524/533, 534, 535, 548, 555, 558, 562, 577; 526/260, 304, 306, 320, 322, 323.2, 327, 346, 347 [IMAGE AVAILABLE]

19. 4,182,802, Jan. 8, 1980, Hydrophilic polymers and \*\*contact\*\* \*\*lenses\*\* of high water content; Samuel Loshaek, et al., 526/264; 351/160H; 526/262, 263 [IMAGE AVAILABLE]

20. 4,180,308, Dec. 25, 1979, \*\*Contact\*\* \*\*lens\*\*;William L. Mancini, et al., 351/160H; 523/106; 526/273 [IMAGE AVAILABLE]

21. 4,158,089, Jun. 12, 1979, \*\*Contact\*\* \*\*lenses\*\* of high water content; Samuel Loshaek, et al., 526/264; 351/160H; 526/262, 263 [IMAGE AVAILABLE]

=> d his

(FILE 'USPAT' ENTERED AT 11:53:54 ON 13 JUN 1997)

L1 4138 S CONTACT(W) LENS?

L2 182 S L1 AND EXTEND##(W) WEAR?

L3 1711 S WEAR?(10A) HOUR#

L4 21 S L2 AND L3

=> s l4 and (pdms or ####siloxane or ####siloxy or ####siloxanes or pdas)  
492 PDMS

20843 ####SILOXANE

2114 ####SILOXY

11762 ####SILOXANES

89 PDAS

L5 9 L4 AND (PDMS OR ####SILOXANE OR ####SILOXY OR ####SILOXANES

OR

PDAS)

=> d cit 1-9

1. 5,519,069, May 21, 1996, \*\*Contact\*\* \*\*lenses\*\* and materials and methods of making same; William J. Burke, et al., 523/106; 264/1.1, 2.7; 351/160H; 523/107; 525/309, 903; 526/245, 279, 323.2 [IMAGE AVAILABLE]

2. 5,512,205, Apr. 30, 1996, UV curable crosslinking agents useful in copolymerization; Yu-Chin Lai, 252/182.14, 182.15, 182.17, 182.18, 182.23, 182.28 [IMAGE AVAILABLE]

3. 5,505,884, Apr. 9, 1996, \*\*Contact\*\* \*\*lenses\*\* and materials and methods of making same; William J. Burke, et al., 264/1.1, 2.7; 351/177; 523/106, 107; 525/309, 903; 526/245, 279, 323.2 [IMAGE AVAILABLE]

4. 5,449,729, Sep. 12, 1995, UV curable crosslinking agents useful in copolymerization; Yu-Chin Lai, 526/286, 301, 302, 304, 320 [IMAGE AVAILABLE]

5. 5,310,779, May 10, 1994, UV curable crosslinking agents useful in copolymerization; Yu-Chin Lai, 524/588; 252/183.11; 526/286, 301, 302, 304, 320, 323.1, 326 [IMAGE AVAILABLE]

6. 5,209,783, May 11, 1993, Method for simultaneously cleaning, decolorizing and thermally disinfecting \*\*contact\*\* \*\*lenses\*\*; Stanley W. Huth, et al., 134/19, 42; 510/114 [IMAGE AVAILABLE]

7. 5,087,392, Feb. 11, 1992, Method of mold \*\*contact\*\* \*\*lenses\*\*; William J. Burke, et al., 264/2.7, 1.1, 2.6 [IMAGE AVAILABLE]

8. 4,487,905, Dec. 11, 1984, Wetttable silicone resin optical devices and curable compositions therefor; Darrell D. Mitchell, 528/15; 351/160H, 160R; 525/478; 526/279; 528/31, 32 [IMAGE AVAILABLE]

9. 4,228,269, Oct. 14, 1980, \*\*Contact\*\* \*\*lenses\*\* of high gas permeability; Samuel Loshaek, et al., 523/106; 351/160R; 524/533, 534, 535, 548, 555, 558, 562, 577; 526/260, 304, 306, 320, 322, 323.2, 327, 346, 347 [IMAGE AVAILABLE]

=> s l4 and (telechelic or telomer# or polyol# or polyether#)

433 TELECHELIC

953 TELOMER#

33675 POLYOL#

36273 POLYETHER#

L6 7 L4 AND (TELECHELIC OR TELOMER# OR POLYOL# OR POLYETHER#)

=> d cit 1-7

1. 5,519,069, May 21, 1996, \*\*Contact\*\* \*\*lenses\*\* and materials and methods of making same; William J. Burke, et al., 523/106; 264/1.1, 2.7; 351/160H; 523/107; 525/309, 903; 526/245, 279, 323.2 [IMAGE AVAILABLE]

2. 5,512,205, Apr. 30, 1996, UV curable crosslinking agents useful in copolymerization; Yu-Chin Lai, 252/182.14, 182.15, 182.17, 182.18, 182.23, 182.28 [IMAGE AVAILABLE]

3. 5,505,884, Apr. 9, 1996, \*\*Contact\*\* \*\*lenses\*\* and materials and methods of making same; William J. Burke, et al., 264/1.1, 2.7; 351/177; 523/106, 107; 525/309, 903; 526/245, 279, 323.2 [IMAGE AVAILABLE]

4. 5,449,729, Sep. 12, 1995, UV curable crosslinking agents useful in copolymerization; Yu-Chin Lai, 526/286, 301, 302, 304, 320 [IMAGE AVAILABLE]

AVAILABLE]

5. 5,310,779, May 10, 1994, UV curable crosslinking agents useful in copolymerization; Yu-Chin Lai, 524/588; 252/183.11; 526/286, 301, 302, 304, 320, 323.1, 326 [IMAGE AVAILABLE]

6. 5,087,392, Feb. 11, 1992, Method of mold \*\*contact\*\* \*\*lenses\*\*;  
William J. Burke, et al., 264/2.7, 1.1, 2.6 [IMAGE AVAILABLE]

7. 5,055,455, Oct. 8, 1991, Capsular polysaccharide adhesin antigen, preparation, purification and use; Gerald B. Pier, 514/54; 424/150.1, 165.1, 243.1; 435/820; 530/324, 388.4, 389.5, 395, 396, 403 [IMAGE AVAILABLE]

=> s l4 and (hydroxy# or hydroxyalkyl or hema or pyrrolidone# or nvp or ####acrylamide)

168246 HYDROXY#

23957 HYDROXYALKYL

2021 HEMA

30749 PYRROLIDONE#

574 NVP

43465 ####ACRYLAMIDE

L7 17 L4 AND (HYDROXY# OR HYDROXYALKYL OR HEMA OR PYRROLIDONE# OR

NV

P OR ####ACRYLAMIDE)

=> d cit 1-17

1. 5,519,069, May 21, 1996, \*\*Contact\*\* \*\*lenses\*\* and materials and methods of making same; William J. Burke, et al., 523/106; 264/1.1, 2.7; 351/160H; 523/107; 525/309, 903; 526/245, 279, 323.2 [IMAGE AVAILABLE]

2. 5,512,205, Apr. 30, 1996, UV curable crosslinking agents useful in copolymerization; Yu-Chin Lai, 252/182.14, 182.15, 182.17, 182.18, 182.23, 182.28 [IMAGE AVAILABLE]

3. 5,505,884, Apr. 9, 1996, \*\*Contact\*\* \*\*lenses\*\* and materials and methods of making same; William J. Burke, et al., 264/1.1, 2.7; 351/177; 523/106, 107; 525/309, 903; 526/245, 279, 323.2 [IMAGE AVAILABLE]

4. 5,449,729, Sep. 12, 1995, UV curable crosslinking agents useful in copolymerization; Yu-Chin Lai, 526/286, 301, 302, 304, 320 [IMAGE AVAILABLE]

5. 5,310,779, May 10, 1994, UV curable crosslinking agents useful in copolymerization; Yu-Chin Lai, 524/588; 252/183.11; 526/286, 301, 302, 304, 320, 323.1, 326 [IMAGE AVAILABLE]

6. 5,209,783, May 11, 1993, Method for simultaneously cleaning, decolorizing and thermally disinfecting \*\*contact\*\* \*\*lenses\*\*;  
W. Huth, et al., 134/19, 42; 510/114 [IMAGE AVAILABLE]

7. 5,087,392, Feb. 11, 1992, Method of mold \*\*contact\*\* \*\*lenses\*\*;  
William J. Burke, et al., 264/2.7, 1.1, 2.6 [IMAGE AVAILABLE]

8. 4,487,905, Dec. 11, 1984, Wetttable silicone resin optical devices and curable compositions therefor; Darrell D. Mitchell, 528/15; 351/160H, 160R; 525/478; 526/279; 528/31, 32 [IMAGE AVAILABLE]

9. 4,436,887, Mar. 13, 1984, N-Vinyl lactam based biomedical devices;

Richard C. Chromecek, et al., 526/263; 351/160H, 160R; 523/108; 526/259, 260, 262, 264; 528/499, 500 [IMAGE AVAILABLE]

10. RE 31,422, Oct. 18, 1983, Hydrophilic polymers and \*\*contact\*\* \*\*lenses\*\* of high water content; Samuel Loshaek, et al., 526/264; 351/160H; 526/262, 263 [IMAGE AVAILABLE]

11. 4,401,372, Aug. 30, 1983, \*\*Contact\*\* \*\*lens\*\*; William L. Mancini, et al., 351/160H [IMAGE AVAILABLE]

12. 4,327,202, Apr. 27, 1982, Styrene copolymer for \*\*contact\*\* \*\*lenses\*\*; William M. Foley, Jr., 526/245; 351/160H, 160R; 526/251, 318.42, 320, 329.2, 930, 936, 937 [IMAGE AVAILABLE]

13. 4,243,790, Jan. 6, 1981, Styrene/\*\*hydroxy\*\* alkyl acrylic acid ester copolymer for \*\*contact\*\* \*\*lenses\*\*; William M. Foley, Jr., 526/320; 351/160H, 160R; 526/293, 313, 318.42, 323.2, 329.2, 930, 936, 937 [IMAGE AVAILABLE]

14. 4,228,269, Oct. 14, 1980, \*\*Contact\*\* \*\*lenses\*\* of high gas permeability; Samuel Loshaek, et al., 523/106; 351/160R; 524/533, 534, 535, 548, 555, 558, 562, 577; 526/260, 304, 306, 320, 322, 323.2, 327, 346, 347 [IMAGE AVAILABLE]

15. 4,182,802, Jan. 8, 1980, Hydrophilic polymers and \*\*contact\*\* \*\*lenses\*\* of high water content; Samuel Loshaek, et al., 526/264; 351/160H; 526/262, 263 [IMAGE AVAILABLE]

16. 4,180,308, Dec. 25, 1979, \*\*Contact\*\* \*\*lens\*\*; William L. Mancini, et al., 351/160H; 523/106; 526/273 [IMAGE AVAILABLE]

17. 4,158,089, Jun. 12, 1979, \*\*Contact\*\* \*\*lenses\*\* of high water content; Samuel Loshaek, et al., 526/264; 351/160H; 526/262, 263 [IMAGE AVAILABLE]

=> s 15 and (16 or 17)

L8 9 L5 AND (L6 OR L7)

=> d cit 1-8

1. 5,519,069, May 21, 1996, \*\*Contact\*\* \*\*lenses\*\* and materials and methods of making same; William J. Burke, et al., 523/106; 264/1.1, 2.7; 351/160H; 523/107; 525/309, 903; 526/245, 279, 323.2 [IMAGE AVAILABLE]

2. 5,512,205, Apr. 30, 1996, UV curable crosslinking agents useful in copolymerization; Yu-Chin Lai, 252/182.14, 182.15, 182.17, 182.18, 182.23, 182.28 [IMAGE AVAILABLE]

3. 5,505,884, Apr. 9, 1996, \*\*Contact\*\* \*\*lenses\*\* and materials and methods of making same; William J. Burke, et al., 264/1.1, 2.7; 351/177; 523/106, 107; 525/309, 903; 526/245, 279, 323.2 [IMAGE AVAILABLE]

4. 5,449,729, Sep. 12, 1995, UV curable crosslinking agents useful in copolymerization; Yu-Chin Lai, 526/286, 301, 302, 304, 320 [IMAGE AVAILABLE]

5. 5,310,779, May 10, 1994, UV curable crosslinking agents useful in copolymerization; Yu-Chin Lai, 524/588; 252/183.11; 526/286, 301, 302, 304, 320, 323.1, 326 [IMAGE AVAILABLE]

6. 5,209,783, May 11, 1993, Method for simultaneously cleaning, decolorizing and thermally disinfecting \*\*contact\*\* \*\*lenses\*\*; Stanley W. Huth, et al., 134/19, 42; 510/114 [IMAGE AVAILABLE]

7. 5,087,392, Feb. 11, 1992, Method of mold \*\*contact\*\* \*\*lenses\*\*; William J. Burke, et al., 264/2.7, 1.1, 2.6 [IMAGE AVAILABLE]

8. 4,487,905, Dec. 11, 1984, Wetttable silicone resin optical devices and curable compositions therefor; Darrell D. Mitchell, 528/15; 351/160H, 160R; 525/478; 526/279; 528/31, 32 [IMAGE AVAILABLE]

=>